



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBW1205G00132-3G

Job Sheet 174820



Part No: RBW1205G00132-3G

Job Qty: 1 ea

Part Name: Agusta Helicopter Servicing



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/22/18

Job Tracking No:

Due Date: 6/14/18

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBW1205G00132-3G Rev 9 IPP Rev A 18.02.13 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	6/13/18	6/13/18	0.00	0.00	Start Up Small Fab-4		MLL
110	Small Fab	1 pcs	6/14/18	6/14/18	0.00	1.00	Small Fab-4		MLL DAS 38
120	QC	1 pcs	6/14/18	6/14/18	0.00	0.00	QC4		SMB 9-89
130	Packaging	1 pcs	6/14/18	6/14/18	0.00	0.00	Packaging3-1		21 APR 26 2018
140	QC21-FG	1 Ea	6/14/18	6/14/18	0.00	0.00	QC21		GA

Part Op 110 - 1-Engrave placard RB41011 using marktronic engraver 2-Transfer drill Dart placard RB41011 into Pelican case
Descriptions: APP-1610-E 3-Deburr holes and remove chips from case. 4-Rivet Dart placard to Pelican case 5-Glue placard
RBW1205G00132-3G-9 and RBW1205G00132-3G-11 to RBW1205G00132-3G-19 foam as per DWG. 6-Glue foam to case and pack case as per DWG.

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
52375K36 59	Tubing	10 ft (10 ea)	90-Start up Operation	5053243
97524A032 40	Blind Rivet	4 Ea (4 ea)	90-Start up Operation	OK
APP-1610-E 6A	Case	1 Ea (1 ea)	90-Start up Operation	OK
RB41011	Dart Tooling Placard, Aluminum	1 Ea (1 ea)	90-Start up Operation	OK
94 RBW109-3501-08-115	Adapter, Landing Gear Shockstruts Nitrogen Change	1 Ea (1 ea)	90-Start up Operation	OK
RBW1205G00132-3G-11	Location Placard	1 Ea (1 ea)	90-Start up Operation	OK
RBW1205G00132-3G-13	Bottom Foam	1 Ea (1 ea)	90-Start up Operation	OK
RBW1205G00132-3G-19	Top Foam	1 Ea (1 ea)	90-Start up Operation	OK
94 RBW1205G00132-3G-9	Contents Placard	1 Ea (1 ea)	90-Start up Operation	5064196
102 RBW1205G00231-3G	Main Rotor Damper Oil Filling Adapter	1 Ea (1 ea)	90-Start up Operation	5064002
RBW1205G00332-3G	Main Gear Box Oil Draining Hose	1 Ea (1 ea)	90-Start up Operation	OK
72 RBW7839-2G	IGB & Tail Rotor Gear Box Oil Draining Hose	1 Ea (1 ea)	90-Start up Operation	OK
3A RBWA353A04	Pmc Oil Filling Quick Disconnect	1 Ea (1 ea)	90-Start up Operation	OK
35 RBWAFS482B 1X	Wheel Brake Wrench	2 Ea (2 ea)	90-Start up Operation	5049942 1X
100 RBWST13045	Nitrogen Tire Inflator	1 Ea (1 ea)	90-Start up Operation	OK 5065431 1X

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	52375K36	10	27	0
	97524A032	4	251	0
	APP-1610-E	1	1	0
	RB41011	1	942	0

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____ De _____	 Container No: S065487 Part: RBW1205G00132 - 3G Job No: 174820 Serial No/Batch: S065487 Revision: 9 Inspector: _____ Date: 04/26/18	DISPOSITION Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 CANADA TEL.: 1 613 632-5200 Email: sales@dartaero.com www.dartaerospace.com	AGAINST DEPARTMENT/PROCESS <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td>kid-tube</td><td>☐</td><td>Cross tube</td><td>☐</td><td>Water Jet</td><td>☐</td><td>Engineering</td><td>☐</td></tr><tr><td>machining</td><td>☐</td><td>Small Fab</td><td>☐</td><td>Prod. Eng. Coord.</td><td>☐</td><td>Quality</td><td>☐</td></tr><tr><td>forming</td><td>☐</td><td>Finishing</td><td>☐</td><td>Rec/Store/Packaging</td><td>☐</td><td>Other</td><td>☐</td></tr><tr><td>Large Fab</td><td>☐</td><td>Composite</td><td>☐</td><td>Supplier</td><td>☐</td><td></td><td></td></tr></table> TY Effective : _____ Disposition _____ MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	kid-tube	☐	Cross tube	☐	Water Jet	☐	Engineering	☐	machining	☐	Small Fab	☐	Prod. Eng. Coord.	☐	Quality	☐	forming	☐	Finishing	☐	Rec/Store/Packaging	☐	Other	☐	Large Fab	☐	Composite	☐	Supplier	☐																						
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<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th colspan="2" style="text-align: left;">Root Cause</th><th colspan="2" style="text-align: left;">FAULT CATEGORY</th></tr></thead><tbody><tr><td>Environment</td><td>☐</td><td>Power Loss/Surge</td><td>☐</td></tr><tr><td>Design</td><td>☐</td><td>Folio/Program</td><td>☐</td></tr><tr><td>Doc/Data</td><td>☐</td><td>Grain</td><td>☐</td></tr><tr><td>Equip/Tooling</td><td>☐</td><td>Weld</td><td>☐</td></tr><tr><td>Handling/Pre</td><td>☐</td><td>Wrong Stock Pulled</td><td>☐</td></tr><tr><td>Material</td><td>☐</td><td>Out of Sequence</td><td>☐</td></tr><tr><td>Internal Transport</td><td>☐</td><td>Off-set</td><td>☐</td></tr><tr><td>Tribal Knowledge</td><td>☐</td><td>Mislabeled</td><td>☐</td></tr><tr><td>LOA</td><td>☐</td><td>Fit/Function</td><td>☐</td></tr><tr><td>Substation</td><td>☐</td><td>Misaligned/off center</td><td>☐</td></tr><tr><td>Past Expiry Date</td><td>☐</td><td></td><td></td></tr><tr><td>Misidentified</td><td>☐</td><td></td><td></td></tr></tbody></table> ☐ Marks/Chatter ☐ Drill Holes ☐ OTHER : _____				Root Cause		FAULT CATEGORY		Environment	☐	Power Loss/Surge	☐	Design	☐	Folio/Program	☐	Doc/Data	☐	Grain	☐	Equip/Tooling	☐	Weld	☐	Handling/Pre	☐	Wrong Stock Pulled	☐	Material	☐	Out of Sequence	☐	Internal Transport	☐	Off-set	☐	Tribal Knowledge	☐	Mislabeled	☐	LOA	☐	Fit/Function	☐	Substation	☐	Misaligned/off center	☐	Past Expiry Date	☐			Misidentified	☐		
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RBW109-3501-08-115	1	0	0
RBW1205G00132-3G-11 •	1	0	0
RBW1205G00132-3G-13 ~	1	1	0
RBW1205G00132-3G-19 ~	1	1	0
RBW1205G00132-3G-9 ▽	1	0	0
RBW1205G00231-3G	1	0	0
RBW1205G00332-3G	1	0	0
~ RBW7839-2G	1	0	0
RBWA353A04	1	0	0
RBWAFS482B	2	2	0
RBWST13045 ~	1	0	0

Part Specifications

Specifications could not be found.

Plex 3/22/18 8:32 AM Dart.lajeunesse.marie

DQA: _____ Date: _____



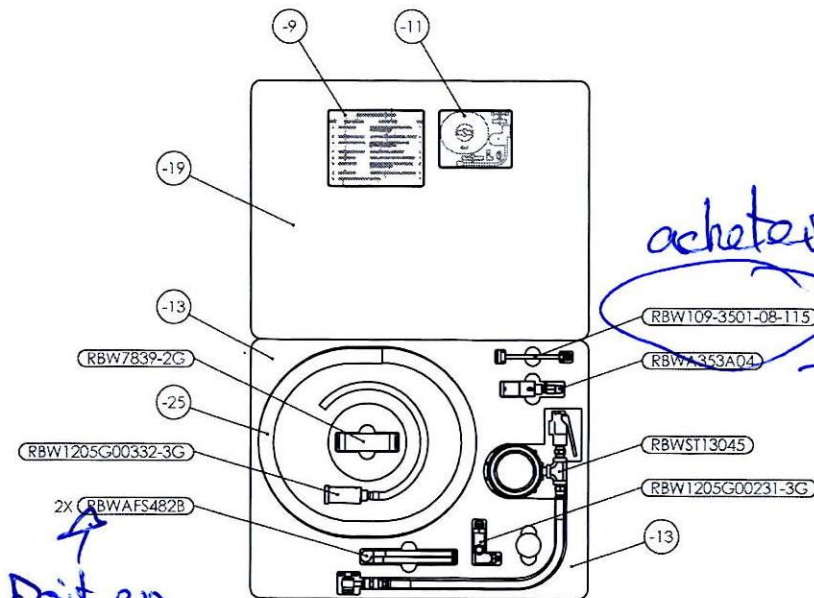
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐
Past Expiry Date ☐	Manufacturing Process ☐				
Misidentified ☐	Past Due ☐	OTHER :			

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Doit en
Fair d'autre

acheter

J'en ai fait d'autre 25 avril
Faire d'autre

REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		ADDED -19 TOOL TOP CUSHION AND PAGE 4.	4/31/2010	W/P	EW
2		ADDED PAD TO -10 SHAPE CUT OUT FOR BETTER FINGER ACQUISITION.	5/6/2010	W/P	EW
3		DELETED -1A, -1B, -1C FROM BOTTOM CUSHION & ATTACHED TO HOSE, DELETED DIMS AREA DIT 1/8" AREA SEE 1/16" CHD DIM WAS 1.58 E 0.04 CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. ADDED ITEM # TUBING TO PLACARD -11 ADDED ITEM #. CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -13 DESIGNATED TO REF -25 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -15 DESIGNATED TO REF -25 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -17 DESIGNATED TO REF -25 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -19 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -25 TUBING ADDED TO BOM QTY 1.	4/21/2011	RJC	DW
4		SHT 3 UPDATED -7 CUTOUT. SHT 4 ADDED CUTOUTS FOR TIRE INFLATOR, REMOVED FROM BCL.	12/27/2011	JAG	
5		-11 MODIFIED PLACARD TO MATCH BOTTOM TOOL CUSHION -13 MODIFIED CUTOUT FOR TIRE INFLATOR. ADDED CUTOUT FOR -1. MOVED CUTOUTS FOR TIRE	4/25/2012	JAG	
6		CORRECTED -19 QTY 20 HOSE CUT OUT LOCATION 180° TO FIT ID PROPERLY.	9/24/2012	RJC	SE
7		-11 ASSIGNED PLACARD FOR RBW7839-2G. -13 FOAM MODIFIED CUTOUT TO ALLOW FOR RBW7839-2G. -19 CHD PLACARD CUTOUT DEPTH WAS .07 E .13.	1/17/2013	BIM	SE
8		REDRAWN IN SOLIDWORKS. -9 CORRECTED ITEM -3 T/N WAS RBW109-351-06-115 IS RBW109-3501-08-115 ADDED -21 & -23 RIVET AND WASHER FOR PLACARD. -9 & -11 WAS B/O IS MANUFACTURED. -19 CHD LOCATION OF CUTOUT ON BACKSIDE.	10/14/2013	JAG	EW
9	1/4/12	CHD DRAWING NUMBER WAS RBW1205G00131-3G IS RBW1205G00130-3G. UPDATED TO NEW STANDARD. -1 REPLACED W/ RBW1205G00130-3G. -2 REPLACED W/ RBW1205G00231-3G. -3 REPLACED W/ RBW109-3501-08-115. -4 REPLACED W/ RBW1205G00332-3G. -5 REPLACED W/ RBW7839-2G. -6 REPLACED W/ RBWAFS482B. -7 REPLACED W/ RBWST13045. -9 DELETED DIMS AREA DIT 1/8" AREA SEE 1/16" CHD DIM WAS 1.58 E 0.04 CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. ADDED ITEM # TUBING TO PLACARD -11 ADDED ITEM #. CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -13 DESIGNATED TO REF -25 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -15 DESIGNATED TO REF -25 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -17 DESIGNATED TO REF -25 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -19 CHD DIM WAS (.04) E (.04) CHD TOLERANCES WAS +.005 E +.010 WAS +.01 E +.03. -25 TUBING ADDED TO BOM QTY 1.	9/19/2017	DPD	JAG

ASST	B/O	Part #	QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	Pg.
		1	1	PMG OIL FILLING QUICK DECONNECT	RBWA353A04		1
		1	1	ADAPTER, M/R DAMPER OIL FILLING	RBW1205G00231-3G		1
		1	1	ADAPTER, 1/4" SHOCKSTRUTS NITROGEN CHARGE	RBW109-3501-08-115		1
		1	1	HOSE, MGB OIL DRAINING	RBW1205G00332-3G		1
		1	1	HOSE, IOP & TOB OIL DRAINING	RBW7839-2G		1
		2	1	WRENCH, WHEEL BRAKE REEF COVER REMOVAL	RBWAFS482B		1
		1	1	TIRE INFLATOR GAUGE, NITROGEN	RBWST13045		1
		-9	1	CONTENTS PLACARD	PLASTIC		2
		-11	1	LOCATION PLACARD	PLASTIC		3
B/O	-13	1	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	5.40 X 17.21 X 20.30 (CASE SOLUTIONS)	4
B/O	-15	1	1	CASE	PLASTIC	PELICAN # APP-1610-E	N/S
B/O	-19	1	1	TOP FOAM	ETHAFOAM 220, BLACK	2.01 X 17.21 X 22.30 (CASE SOLUTIONS)	5
B/O	-25	1	1	TUBING	PVC W/ POLYESTER BRAID	Q3/4 I.D. X 1/4 O.D. X 10FT, DUPONETER 70A (MCMMASTER-CARR #52375436)	1
B/O		1	1	DART PLACARD	ALUMINUM	RB4101	1/25

NOTE:
REF: AGUSTA 1/N: 3G1205G00132.

DART AEROSPACE	
TITLE HELICOPTER SERVICING KIT	
DWG NO. RBW1205G00132-3G	REV 9
MATL: _____ PART: _____ FINISH: _____ SPEC: _____	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .005 FRACTIONS ± 1/8 XX ± .01 ANGLES ± 30° X ± .1 SURFACES ± 125	
1. BREAK ALL SHARP EDGES .015 ± .05 OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: PERRITT CHECKED: RJC 07/10/2017 DESIGNED: AA 07/14/2017 QA APPR: JL 07/19/2017 APPROVED: JAG 07/20/2017	
USED ON MODEL AGUSTA AW139	
SCALE 1:8	DATE 4/20/2010
SHEET 1 OF 5	